

In the Claims:

Please cancel claims 2, 9, 10 and 16 without prejudice.

Please amend claims 1, 7, 8, 11, 14, and 15 as follows:

1. (currently amended) A method for implementing enhanced query governor

functions comprising the steps of:

monitoring events,

responsive to an event to modify attributes, performing a modify attributes routine; said modify attributes routine including checking for a monitor being requested; and responsive to a monitor being requested, setting a timeout value for the requested monitor; the requested monitor including at least one of a user defined function (UDF) and a trigger;

responsive to an event to execute query, performing an execute query routine; said execute query routine including;

checking for a timeout value for a- the query and said at least one of said user defined function (UDF) and said trigger;

responsive to identifying a timeout value for the query, resetting an execution time for the query;

starting a monitor for each identified timeout value for the query and said at least one of said user defined function (UDF) and said trigger;

starting the execution of the query;

monitoring the execution of predefined events during the execution of the query; said predefined events including a begin or end of processing of said at least one of

said a trigger and said a user defined function (UDF);

periodically checking execution status of the query;

responsive to identifying the query is executing, checking for any expired timeout value; and

halting the execution of the query responsive to an identified expired timeout value.

2. (canceled)

3. (original) A method for implementing enhanced query governor functions as recited in claim 1 wherein the step of monitoring the execution of said predefined events includes the step of recording each said trigger event start time and stop time.

4. (original) A method for implementing enhanced query governor functions as recited in claim 1 wherein the step of monitoring the execution of said predefined events includes the step of recording each said user defined function (UDF) start time and stop time.

5. (original) A method for implementing enhanced query governor functions as recited in claim 1 wherein the step of monitoring the execution of said predefined events includes the step of recording empirical data for said trigger, and said user defined function (UDF).

6. (original) A method for implementing enhanced query governor functions as recited in claim 5 includes the step of checking to determine based upon said recorded empirical data whether in most likelihood that the query can finish within timeout values for said trigger and said user defined function (UDF), and responsive to determining in

most likelihood the query will not finish within said timeout values, execution of the query is not started.

7. (currently amended) A method for implementing enhanced query governor functions as recited in claim 1 includes the step responsive to halting the execution of the query of, setting return code values for said identified expired timeout value for processing either said UDF or said trigger.

8. (currently amended) A method for implementing enhanced query governor functions as recited in claim 1 ~~includes the steps of monitoring events, and responsive to an event to modify attributes, performing a~~ wherein said modify attributes routine further includes the step of changing query attributes.

9. (canceled)

10. (canceled)

11. (currently amended) Apparatus for implementing enhanced query governor functions comprising:

a query governor program including a SQL processor program, said SQL processor program for monitoring events, and said SQL processor program responsive to an event to modify attributes, performing a modify attributes routine; and responsive to an event to execute query, performing an execute query routine; said modify attributes routine including the steps responsive to a monitor being requested, setting a timeout for the requested monitor; the requested monitor including at least one of a user defined function (UDF) monitor and a trigger monitor;

said execute query routine including data retrieval processing, and at least one

of user defined function (UDF) processing and trigger processing; and

said query governor program including said at least one of said a user defined function (UDF) monitor and said trigger monitor ~~program~~; said UDF monitor and said trigger monitor ~~program~~ for monitoring the execution of predefined events during the execution of the query; said predefined events including a begin or end of processing of said at least one of said a trigger monitor and said ~~a user defined function (UDF)~~ UDF monitor.

12. (original) Apparatus for implementing enhanced query governor functions as recited in claim 11 wherein said SQL processor program responsive to said event to execute query performing said execute query routine includes the steps of checking to determine based upon said recorded empirical data whether in most likelihood that the query can finish within timeout values for said trigger and said user defined function (UDF), and only responsive to determining in most likelihood the query can finish within said timeout values, starting execution of the query.

13. (original) Apparatus for implementing enhanced query governor functions as recited in claim 11 wherein said SQL processor program responsive to said event to execute query performing said execute query routine includes the steps of identifying an expired timeout value for said trigger or said UDF, halting the execution of the query.

14. (currently amended) A computer program product for implementing enhanced query governor functions in a computer system, said computer program product including instructions stored on a computer readable storage medium, wherein

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said instructions, when executed by the computer system to cause the computer system to perform the steps of:

monitoring events,

responsive to an event to modify attributes, performing a modify attributes routine; said modify attributes routine including checking for a monitor being requested; and responsive to a monitor being requested, setting a timeout value for the requested monitor; the requested monitor including at least one of a user defined function (UDF) and a trigger;

responsive to identifying an execute query event, performing an execute query routine; said execute query routine including:

checking for a timeout value for ~~a~~ the query and said at least one of said user defined function (UDF) and said trigger,

responsive to identifying a timeout value for the query, resetting an execution time for the query;

starting a monitor for each identified timeout value for the query and said at least one of said user defined function (UDF) and said trigger;

starting the execution of the query;

monitoring the execution of predefined events during the execution of the query; said predefined events including a begin or end of processing of said at least one of said a trigger and said a user defined function (UDF);

periodically checking execution status of the query;

responsive to identifying the query is executing, checking for any expired timeout

value; and

halting the execution of the query responsive to an identified expired timeout value.

15. (currently amended) A computer program product for implementing enhanced query governor functions as recited in claim 14 wherein said instructions further cause the computer system to perform ~~the steps of monitoring events, and responsive to an event to modify attributes, performing a~~ said modify attributes routine including the steps of changing query attributes.

16. (canceled)

17. (original) A computer program product for implementing enhanced query governor functions as recited in claim 14 wherein the step of monitoring the execution of said predefined events includes the step of recording empirical data for said trigger, and said user defined function (UDF).

18. (original) A computer program product for implementing enhanced query governor functions as recited in claim 17 includes the steps of checking to determine based upon said recorded empirical data whether in most likelihood that the query can finish within timeout values for said trigger and said user defined function (UDF), and only responsive to determining in most likelihood the query can finish within said timeout values, starting execution of the query.